

**SYSTEM AND METHOD FOR
SELECTING SAMPLE STREAMS IN DIRECT
SEQUENCE SPREAD SPECTRUM COMMUNICATION**

ABSTRACT OF THE DISCLOSURE

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A RAKE receiver with demodulating fingers is presented
having the capability to assign a specific sample stream, from among a
plurality of received sample streams, to any of the demodulating fingers.
The demodulating finger includes a MUX to receive the plurality of
10 sample streams. Commands from a controller to the MUX of a
demodulating finger select a specific sample stream to be demodulated by
that demodulating finger. Since each demodulating finger receives all the
sample streams, and any sample stream can be selected, the receiver has
the flexibility of optimally varying the assignment of demodulating
15 fingers to sample streams. A method for selecting a sample stream for
demodulation, from among a plurality of sample streams, is also provided.

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